

PETRO-MINERAL EXPLORATION, INC.

**445 UNION BOULEVARD
SUITE 128
LAKEWOOD, COLORADO 80228
TELEPHONE: (303) 986-9531**

December 18, 1981

Mr. Cleon B. Feight, Director
Utah State Office
1588 W. North Temple
Salt Lake City, Utah 84116

Dear Mr. Feight:

Enclosed please find in duplicate a Designation of Agent for Petro-Mineral Exploration, Inc. It is our understanding that this Designation must be filed with your office in order for our company to begin operations for the drilling a well on a Federal Lease in the State of Utah.

If you have any questions or comments, please feel free to contact me.

Very truly yours,

A.M. Eilander

A. M. Eilander
Land Manager

ame
Enclosures

RECEIVED
DEC 24 1981

**DIVISION OF
OIL, GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Petro-Mineral Exploration, Inc

3. ADDRESS OF OPERATOR

445 Union Blvd., Suite 128, Lakewood, CO 80228

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface

560' FNL, & 500' FEL sec. 15

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6 miles NE Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

500'

16. NO. OF ACRES IN LEASE

480

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

5620

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4585' ungraded ground

22. APPROX. DATE WORK WILL START*

January 8, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24#	1200'	1000 cu ft. to circ.
7 7/8"	5 1/2"	15.5#	5620'	1000 cu ft. 2 stages

It is proposed to drill a well to test the Desert Creek formation. If productive as indicated by test or logs, the well will be perforated & chemically stimulated.

A 3000 psi WP & 6000 psi Test BOP with double gate pipe & blind rams will be used for drilling & completion operations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

M. L. Seelinger

TITLE Agent

DATE 12-8-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

W. P. Martin

E. W. Gynn
District Oil & Gas Supervisor

DATE

JAN 21 1982

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYFLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

2 State Oil & Gas

File in Duplicate

DIVISION OF OIL, GAS AND MINING
OF THE STATE OF UTAH

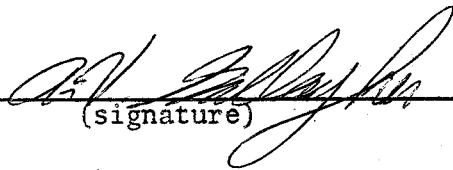
DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas and Mining of the State of Utah, hereby appoint Secretary of State-Lt. Governor, whose address is State Capital Bldg., Salt Lake City, Utah, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation December 18, 1981

Company PETRO-MINERAL EXPLORATION, INC. Address 445 Union Blvd., Suite 128

By  Title President
(signature)

NOTE: Agent must be a resident of the State of Utah

Identification No. 089-82

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Petro-Mineral Exploration, Incorporated

Project Type single zone exploration oil well

Project Location 560' FNL / 500' FEL, sec. 15, T. 40 S., R. 23 E., San Juan County, Utah

Well No. 2 Federal Lease No. U-37664

Date Project Submitted _____

FIELD INSPECTION

Date December 7, 1981

Field Inspection
Participants

Morris Seelinger - agent for Petro-

Patrick Harden - archaeologist, Hatlata Archaeological Consultants

Brian Wood - Bureau of Land Management

Bennie Benfield - Atchison Construction

Terry Galloway / Don Englishman - USGS

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

December 7, 1981

Date Prepared

Donald Englishman

Environmental Scientist

I concur

JAN 19 1982

Date

W.P. Mauter

District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

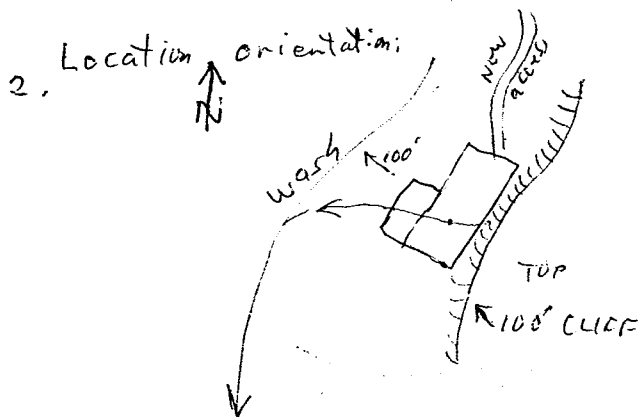
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1) Public health and safety						✓4	✓		
2. Unique charac- teristics							✓		
3. Environmentally controversial							✓		
4. Uncertain and unknown risks							✓		
5. Establishes precedents							✓		
6) Cumulatively significant							✓		
7. National Register historic places	✓1 1-12-82								
8. Endangered/ threatened species	✓1 1-12-82								
9. Violate Federal, State, local, tribal law						✓4	✓		

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

Remarks:

1. Location not changed (as stated) during on-site inspection



3. location is within 600' of Lease Line



United States Department of the Interior

IN REPLY REFER TO
T40SR23E Sec. 15
(U-069)

BUREAU OF LAND MANAGEMENT
Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah

January 11, 1981

Memorandum

To: USGS, Durango, Colorado

From: Area Manager, San Juan

Subject: Petro-Mineral Exploration, Inc. Federal No. 2 Well (U-37664)

We concur with approval of the Federal No. 2 well subject to right-of-way grant No. U-49752 and the attached amendments to the surface use plan. It should be especially noted that the rehabilitated location is to be restored to blend with the natural contours, and not just leveled as stated in the APD.

The archaeological requirement has been fulfilled. No threatened or endangered species are indicated in the area.

Robert Lunn

Enclosure
Amendments to the Surface Use Plan

RECEIVED

JAN 12 1982

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

AMENDMENTS TO SURFACE USE PLAN

and

RECLAMATION PROCEDURES

Lease No.: U-37664

Pre-drill Inspection Date: 12-7-81

Operator: Petro-Mineral Exploration, Inc. Participants: Mo Seelinger

Well Name: Federal # 2

Don Englishman + Terry Galloway

Well Location: 40-23-15 NE NE

Glen Benfield

Pat Hardin

Brian Wood

Construction:

1. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah (Phone (801) 587-2201) 48 hours prior to beginning any work on public land.

2. The dirt contractor will be furnished with a copy of the Surface Use Plan and any additional BLM stipulations prior to any work.

3. The San Juan County Road Department in Monticello will be contacted prior to the use of county roads for this activity, ~~Mr. Dick~~
~~Parster~~ at (801) 587-2249.

31, Ext 43

3.42 Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.

4.18. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are ~~caught~~ disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.

6. Improvement to existing access (will/will not) be necessary and will be limited to a total disturbed width of _____ feet. New construction will be limited to a total disturbed width of _____ feet. Road surface will be flat bladed to remove brush, no ditching or water bars or culverts will be installed.

5.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. ~~7~~ The top 6 inches of soil material will be removed from the location and stockpiled ~~separate from the trees~~ on the NE side of the location. Topsoil along the access will be reserved in place.

8. A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine mesh wire before the rig moves onto the location.

9. The reserve pit (will/will not) be lined with commercial bentonite or plastic sufficient to prevent seepage. Keyway.

10. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

7. ~~13~~ A burning permit will be required before burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker at (801) 587-2705.

Rehabilitation

1. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit. ~~Non-burnable debris will be hauled to a local town dump site.~~
2. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
2. ~~3.~~ Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash it contains must be removed from public lands.
3. ~~4.~~ All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.
4. ~~5.~~ The stockpiled topsoil will be evenly distributed over the disturbed area.

5. 6. All disturbed areas will be scarified with the contour to a depth of 18 inches.

6. 1. Seed will be (broadcast/~~drilled~~), ~~at a time to be specified by the BLM with the following seed prescription.~~ When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

~~_____ 1bs/acre Indian ricegrass (Oryzopsis hymenoides)~~

~~_____ 1bs/acre Fourwing saltbush (Atriplex canescens)~~

~~_____ 1bs/acre Sand dropseed (Sporobolus cryptandrus)~~

~~_____ 1bs/acre Green ephedra (Ephedra viridis)~~

~~_____ 1bs/acre Cliffrose (Cowania mexicana)~~

~~_____ 1bs/acre Crested wheatgrass (Agropyron desertorum)~~

~~_____ 1bs/acre Western wheatgrass (Agropyron smithii)~~

~~_____ 1bs/acre Alkali sacaton (Sporobolus airoides)~~

~~_____ 1bs/acre Rubber rabbitbrush (Chrysothamnus nauseosus)~~

~~_____ 1bs/acre _____~~

~~_____ 1bs/acre _____~~

~~_____ 1bs/acre _____~~

7. 8. After seeding is complete ~~the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer.~~ The access will be blocked to prevent future use.

~~9. Water bars will be constructed as directed by BLM to control erosion.~~

Production

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Enough topsoil will be retained to reclaim the remainder of the location at a future date. The remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

~~2. All above-ground production facilities will be painted a neutral color to be approved by the BLM.~~

2. ~~3~~ The access shall be upgraded to the following specifications: BLM.

NOTICE OF SPUD

Company: Seelinger
Caller: Petro-Mineral Exploration, Inc.
Phone: _____

Well Number: 2

Location: NENE 15-40S-23E

County: San Juan State: Utah

Lease Number: U-37664

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 2-21-82 ? hr.

Dry Hole Spudder Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 17 1/4" hole

106' ran 13 3/8 48# reg - set @ 106' KB

cm + /w 150 5x5 regular Class B - 1/4"

floccle - 2% CaCl - circ 30 5x5 to surface

WOC 8:15 A.M. 2-22-82

Rotary Rig Name & Number: delg. @ 877' - 12 1/4" hole

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 2-23-82

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PETRO-MINERAL EXPLORATION, INC

3. ADDRESS OF OPERATOR

445 Union Boulevard, Ste. 128, Lakewood, CO 80228

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

560' FNL, & 500' FEL sec. 15

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6 miles NE Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 500'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

480

19. PROPOSED DEPTH

5620

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4585' ungraded ground

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8"	24#	1200'	1000 cu ft. to circ.
7 7/8"	5 1/2"	15.5#	5620'	1000 cu ft. 2 stages

It is proposed to drill a well to test the Desert Creek formation. If productive as indicated by test or logs, the well will be perforated and chemically stimulated.

A 3000 psi WP & 6000 psi Test BOP with double gate pipe and blind rams will be used for drilling and completion operations.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3/10/82

BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

[Signature]

TITLE V.P., Finance

DATE 2/23/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MAR 12 1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other2. NAME OF OPERATOR
Petro-Mineral Exploration, Inc.3. ADDRESS OF OPERATOR
445 Union Blvd., Suite 128
Lakewood, Colorado4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 560' FNL & 500' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) *Soft Surface*

SUBSEQUENT REPORT OF:

☒
☐
☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE

U-37664

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal9. WELL NO.
210. FIELD OR WILDCAT NAME
Aneth11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE NE Sec. 15, T.40S., R.23E.12. COUNTY OR PARISH
San Juan13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4585' G.L., 4598' K.B.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Ran 32 joints 8-5/8" K-55 ST&C casing, total of 1335'. Landed at G.L. Used Howco guide shoe and insert float one joint apart w/ 3 centralizers first, third and fifth joints.

Cement by Halliburton with 475 sks. Howco lite, 6-1/4# # Gilsonite per sk. 2% CaCl₂ and 1/4# flocele. Tailed in w/ 200 sks. Class B, 1/4# flocele and 2% CaCl₂.

Ran 200 sks. Class B, 1/4# flocele/sk. and 2% CaCl₂ thru one inch down backside. Cement circulated. W.O.C. 2/23/82 11:00 P.M.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED

M. Seelinger

TITLE Agent

DATE

3/2/82

(This space for Federal or State office use)

E. W. Guynn

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE District Oil & Gas Supervisor

** FILE NOTATIONS **

DATE: 3-9-82

OPERATOR: Petro - Mineral Exploration, Inc

WELL NO: Robert Creek Fed. #2

Location: Sec. 15 T. 40S R. 23E County: San Juan

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-637-30766

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per rule C-3

Administrative Aide: OK as per rule C-3

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation ☒

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

March 11, 1982

Petro-Mineral Exploration, Inc.
445 Union Blvd. STE. #128
Lakewood, Colo. 80228

RE: Well No. Desert Creek Federal #2,
Sec. 15, T. 40S, R. 23E,
San Juan County, Utah

It has come to our attention that the above referred to well has been drilled without having approval from this office. We will require that a copy of all drilling reports, core tests, DST's, and electric logs be filed with this office. A well completion report will also need to be filed within 90 days after completion of the well. For future reference any thing that you drill in the State of Utah has to be approved by this office prior to drilling. In the event that this should happen again we will bring you before the Board of Oil, Gas and Mining and require that an individual well bond be filed with this office to insure compliance with the General Rules and Regulations and Rules of Practice and Procedure, (a copy of which is enclosed).

If you have any questions, please feel free to contact this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Cleon B. Feight
Director

CBF/db
CC: Minerals Management Service
Enclosure

March 11, 1982

Petro-Mineral Exploration, Inc.
445 Union Blvd. STE. #128
Lakewood, Colo. 80228

RE: Well No. Desert Creek Federal #2,
Sec. 15, T. 40S, R. 23E,
San Juan County, Utah

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30766.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas well ☐ other Dry Hole

2. NAME OF OPERATOR
Petro-Mineral Exploration, Inc.

3. ADDRESS OF OPERATOR
445 Union Blvd., Suite 128
Lakewood, Colorado

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 560' FNL & 500' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(other)		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Verbal approval was granted by E. W. Guynn 3/13/82 and the well was subsequently plugged and abandoned as follows:

TD 5400' to 5200'
4500' -- 4300'
2450' -- 2250'
1400' -- 1200'
800' -- 600'
150' -- 0

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED M. Seelinger TITLE Agent DATE 3/24/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE
U-37664

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE NE Sec. 15, T.40S., R.23E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30766

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4585' G.L., 4598' K.B.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal Well #2

Operator Petro-Mineral Exploration Address 445 Union Blvd., Suite 128, Lakewood, CO

Contractor Arapahoe Drilling Co. Address P.O. Box 26687, Albuquerque, NM

Location NE ¼ NE ¼ Sec. 15 T. 40S R. 23E County San Juan

Water Sands

	<u>Depth</u>	<u>Volume</u>	<u>Quality</u>
	From . To	Flow Rate or Head	Fresh or Salty
1.	<u>no identifiable water encountered</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continue of reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____	
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>
2. NAME OF OPERATOR Petro-Mineral Exploration, Inc.						
3. ADDRESS OF OPERATOR 445 Union Blvd., Suite 128 Lakewood, Colorado						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 560' FNL & 500' FEL At top prod. interval reported below At total depth NENE						
14. PERMIT NO. API 43-037-30766		DATE ISSUED 3-10-82		5. LEASE DESIGNATION AND SERIAL NO. U-37664		
15. DATE SPUDDED 2/21/82		16. DATE T.D. REACHED 3/12/82		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---		
17. DATE COMPL. (Ready to prod.) P/A		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4598' K.B.		7. UNIT AGREEMENT NAME ---		
19. ELEV. CASINGHEAD 4585'		20. TOTAL DEPTH, MD & TVD 5603' MD		8. FARM OR LEASE NAME Federal		
21. PLUG, BACK T.D., MD & TVD ---		22. IF MULTIPLE COMPL., HOW MANY*		9. WELL NO. 2		
23. INTERVALS DRILLED BY ---		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* ---		10. FIELD AND POOL, OR WILDCAT Aneth Undesignated		
25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN CDN/CDL		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NE NE Sec. 15, T.40S., R.23E.		
27. WAS WELL CORED		28. CASING RECORD (Report all strings set in well)		12. COUNTY OR PARISH San Juan		
29. LINER RECORD		30. TUBING RECORD		13. STATE Utah		
31. PERFORATION RECORD (Interval, size and number) ---		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED ---		14. FIELD AND POOL, OR WILDCAT Aneth Undesignated		
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		15. COUNTY OR PARISH San Juan		
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		16. STATE Utah		
37. SIGNED M. Seelinger		38. TITLE Agent		17. DATE 3/24/82		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Navajo	714		DST No. 1 5483-5603'
DeChelly	2447	2646	IH 2844.9 (Bottom chart) IF 92.9 Op 10" FF 92.9
Hermosa	4475		CIP 137 S.I. 30" 2nd F 79.6
Ismay	5372		2nd FF 79.6 Flow 60" CIP 106 S.I. 30" FHyd. 2805'
			Recovered drilling mud.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

MAR 1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other ☐ SALT

2. NAME OF OPERATOR
Petro-Mineral Exploration, Inc.

3. ADDRESS OF OPERATOR
445 Union Blvd., Suite 128
Lakewood, Colorado

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 560' FNL & 500' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Spud well and set surface. <input checked="" type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud 2/21/82. Drill 17-1/4" hole to 110'. Ran 3 jts. 13-3/8" O.D. 48# Conductor landed 106' K.B. Cemented w/ 150 sks. regular Class B Neat, 1/4# flocele/sk. and 2% CaCl₂. W.O.C. 8:15 A.M. 2/22/82.

RECEIVED
APR 05 1982

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED M. Seelinger TITLE Agent DATE 2/23/82 Set @ _____ Ft.DIVISION OF
OIL, GAS & MININGAPPROVED BY *E. W. Guynn* (This space for Federal or State office use)
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE District Oil & Gas Supervisor

MAR 3 1982

PETRO-MINERAL EXPLORATION, INC.

**445 UNION BOULEVARD
SUITE 128
LAKEWOOD, COLORADO 80228
TELEPHONE: (303) 986-9531**

April 1, 1982

Mr. Cleon B. Feight, Director
State of Utah Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RECEIVED
APR 05 1982

Re: Well No. Desert Creek Federal #2
Section 15, T 40 S, R 23 E
San Juan County, Utah

**DIVISION OF
OIL, GAS & MINING**

Dear Mr. Feight:

Pertinent to the captioned well, I am enclosing for your records
a copy of each of the following:

Application for Permit to Drill - Form 9-331-C
3 Sundry Notices and Reports on Wells - Form 9-331
(2/23/82, 3/2/82, and 3/24/82)
Well Completion Report - Form 9-330
Hydrocarbon Well Log
Formation Testing Service Report
Operator's Sample & Drilling Time Log
Report of Water Encountered During Drilling - Form OGC-8-X

It is my understanding that you have already been provided with the
electric logs by our Field Agent, M. Seelinger.

If you have any questions or comments, please feel free to contact
me.

Very truly yours,

A.M. Eilander

A. M. Eilander
Land Manager

Enclosures

981896-2033

981896-2032

2033

Each Horizontal Line Equal to 1000 p.s.i.

FEDERAL	2	1	5491' - 5603'	PETRO MINERAL EXPLORATION
Lease Name	Well No.	Test No.	Tested Interval	Lease Owner/Company Name
981896	FARMINGTON		3-13-82	2033 2032
Ticket Number	Camp		Date	Gauge Number(s)



TICKET NO. 981896 DATE 3-13-82 HALLIBURTON CAMP FARMINGTON

LEASE OWNER PETRO MINERAL EXPLORATION PW^{bc}

LEASE NAME FEDERAL WELL NO. 2 TEST NO. 1

LEGAL LOCATION 15 - 40S - 23E FORMATION TESTED ISMAY-DESERT CREEK

FIELD AREA ANETH COUNTY SAN JUAN STATE UTAH

TYPE OF D.S.T. OPEN HOLE

TESTER(S) MR. CHAVEZ MR. ROCKOS

WITNESS MR. GALLAGHER DRILLING CONTRACTOR ARAPAHOE #2

DEPTHS MEASURED FROM 5603' CASING PERFS (FT.) _____

TYPE AND SIZE OF GAS MEASURING DEVICE _____ GAS METER

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

APPROXIMATELY 10' of MUD, SLIGHTLY GAS CUT, SLIGHT OIL FILM.

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
MUD PIT	1.795@ 66 °F	3900		@ °F	
RECOVERY 10" (Above sample)	1.80 @ 64 °F	3800		@ °F	
SAMPLER	1.798@ 70 °F	3800		@ °F	

REMARKS:

At approximately 0215 hours on 3-13-82, company man shut down tools, hanging in 9 5/8" casing, waited for daylight....

SEE PRODUCTION TEST DATA SHEET.

TICKET NO. 981896 DATE 3-13-82 ELEVATION (FT.) 4585'
TOP OF TESTED INTERVAL (ft.) 5491' BOTTOM OF TESTED INTERVAL (ft.) 5603'
NET PAY (ft.) _____ TOTAL DEPTH (ft.) _____
HOLE OR CASING SIZE (in.) 8 3/4" MUD WEIGHT (lb./gal.) 9.5 VISCOSITY (sec.) 50
SURFACE CHOKE (in.) .75" BOTTOM CHOKE (in.) 1"
OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) 3 CUBIC FT. OF GAS _____
C.C.'s OF OIL _____ C.C.'s OF WATER _____
C.C.'s OF MUD 1750 TOTAL LIQUID C.C.'s 1750

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE _____
ACTUAL 125
DEPTH (ft.) 5599
H.T.-500 ☐; THERMOMETER ☐;
T.E. OR R.T.-7 ☐; OTHER ☐
SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY MR. CHAVEZ & MR. ROCKOS DATA APPROVED BY MR. WILLINGER

RECORDERS	GAUGE NUMBER	2033	2032			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	0718
	GAUGE DEPTH (ft.)	5473	5600			DATE	3-13-82
	CLOCK NUMBER	14128	13840			BYPASS OPENED	0850
	CLOCK RANGE (HR.)	24	24			DATE	3-13-82
PRESSURES	INITIAL HYDROSTATIC	2773.3	2848.3			PERIOD	MINUTES
	INITIAL FLOW	26.7	91.8			XXX	XXX
	1st. FINAL FLOW	9.9	82.6			1st. FLOW	5
	CLOSED-IN	91.7	150.7			1st. C.I.P.	30
	INITIAL FLOW	22.7	95.4			XXX	XXX
	2nd. FINAL FLOW	12.5	80.9			2nd. FLOW	32
	CLOSED-IN	25.9	94.8			2nd. C.I.P.	25
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	2748.3	2815.6			XXX	XXX

981896

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date	Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
3-12-82						
	2200					On location, trip out of hole with
						drill collars and drill pipe
	2330					Rig crew change
	2400					Made up tools
3-13-82	0130					Tools made up, trip in hole with
						drill collars and drill pipe. Trip
						in to 1300' (cased hole) per company
						man. Shut down until daylight hours
	0500					Continued trip in hole
	0718					Opened tool with no blow
	0723					Closed tool with no blow
	0727					Very weak blow
	0730					No blow
	0753					Opened tool with no blow
	0810					No blow
	0825					Closed tool
	0850					Released packers, trip out of hole
						with tools
	1200					Recovered 10' of fluids
	1215		3#			Sampler recovery...1750 cc mud
	1300					Loaded truck, read charts
	1500					Job completed

Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4½"	3.826"	4913'	
DRILL COLLARS	6"	2.5"	455'	
REVERSING SUB	6"	3"	1'	5368'
DRILL COLLARS	4½"	2.5"	91'	
XO	6"	3"	1'	
DUAL CIP SAMPLER	5.03"	.87"	7'	
HYDROSPRING TESTER	5"	.75"	5'	5468'
AP RUNNING CASE	5"	2.25"	4'	5473'
HYDRAULIC JARS	5.03"	1.75"	5'	
VR SAFETY JOINT	5"	1"	3'	
PACKER ASSEMBLY	6 3/4"	1.53"	6'	5485'
PACKER ASSEMBLY	6 3/4"	1.53"	6'	5491'
XO	6"	3"	1'	
DRILL COLLARS	6"	2.5"	91'	
FLUSH JOINT ANCHOR	5 3/4"	3"	14'	
B. T. RUNNING CASE	5 3/4"	2.44"	4'	5600'
TOTAL DEPTH				5603'